Title: Context Driven Topologies

Inventor: Deborah L. MacPherson, Vienna VA

Application Number: 10/803,040

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Description: A mathematical and perceptual process to map human knowledge and understanding over time.

References Cited:

Copyright for a non-dramatic literary work Registration number TXu 1-078-059, entitled "**Visualization of Improved Mesh Topologies**" authored by Deborah L. MacPherson, registered November 6, 2002 at the Library of Congress by Marybeth Peters, Registrar of Copyrights, United States of America.

MacPherson, D (2004) **Collecting Patterns that Work for Everything** International Journal of Dynamical Systems Research, Chaos & Complexity Letters, Metaphors

MacPherson, D (2004) **Perceiving Design in Virtual Spaces** International Association of Mathematics and Design (Res. I.G.J. Nr. 000104)

A1. Abstract

B1. Field of the Invention / **B2.** Background of the Invention / **B3.** Prior Art

C. Future Plans for the Invention / General Notes

D. Brief Summary of the Invention

E. Drawings, Figures 1-10

F1. Brief Drawing Descriptions / **F2.** Detailed Drawing Descriptions

G. Detailed Disclosure and Specific Embodiments of the Invention

Sections

1. Context Driven Topology

2. Concept Boundaries and the Annotation Process

3. Symbolic Characters and their Function

4. Evolving Mathematical Knowledge Patterns Converted into Multidimensional Wave Forms

5. Metaphors

6. Monitoring, Controlling, and Influencing Information Placement and Proximity over Time

7. Use of the Automatic Evolving Audio and Visual Language and Display Patterns

8. Shared Memory

9. Data Curation and Digital Preservation

10. Specific Embodiments and Applications

H. Claims 1-10

References to the Drawings are indicated by a **[Fig. number in square brackets]**

References to related Sections and Paragraphs are indicated by **(number in curved brackets)**